

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043399.D
 Acq On : 30 Oct 2019 8:27
 Operator : JU
 Sample : K5576-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 09:14:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43976	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	158845	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	117650	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	265096	20.00	ng	0.00
76) Chrysene-d12	21.66	240	293902	20.00	ng	0.00
87) Perylene-d12	24.85	264	346200	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	310392	129.34	ng	0.00
7) Phenol-d6	7.21	99	431576	124.99	ng	0.00
23) Nitrobenzene-d5	9.19	82	254063	82.46	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	246360	110.04	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	688201	80.83	ng	0.00
79) Terphenyl-d14	20.00	244	1369758	87.44	ng	0.00

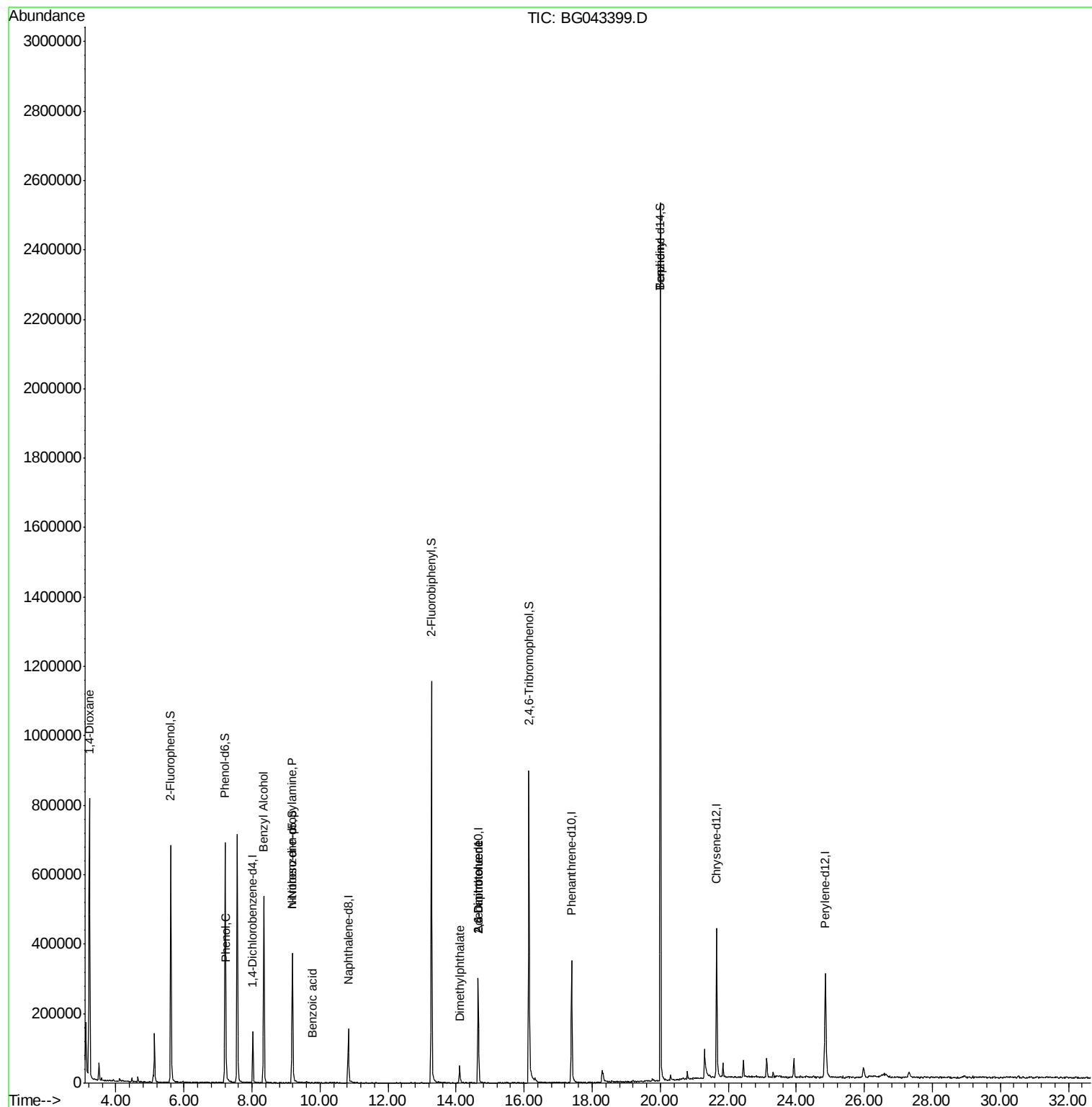
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	9984	10.676	ng	# 1
10) Phenol	7.24	94	6888	2.183	ng	# 67
15) Benzyl Alcohol	8.35	79	5005	2.064	ng	# 69
19) n-Nitroso-di-n-propylamine	9.18	70	36036	16.151	ng	# 75
32) Benzoic acid	9.77	122	54	9.077	ng	# 1
50) Dimethylphthalate	14.10	163	45777	5.023	ng	97
51) 2,6-Dinitrotoluene	14.65	165	15812	7.987	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	15812	5.589	ng	# 25
77) Benzidine	20.00	184	19863	3.358	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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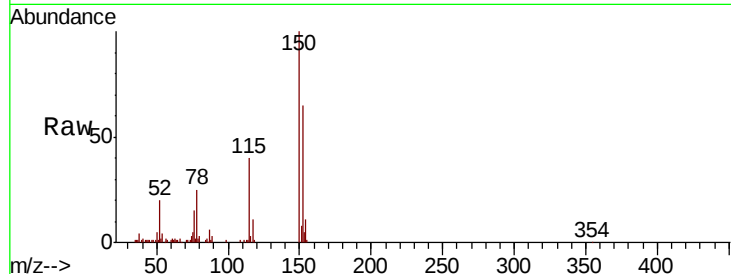


#1

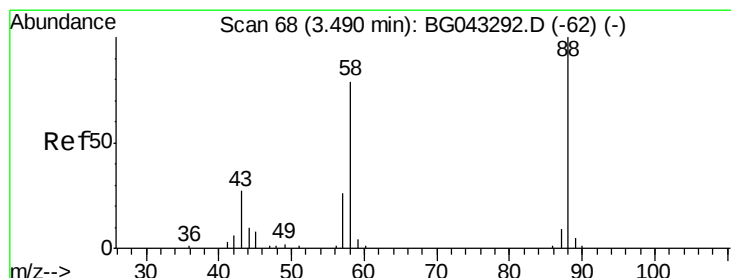
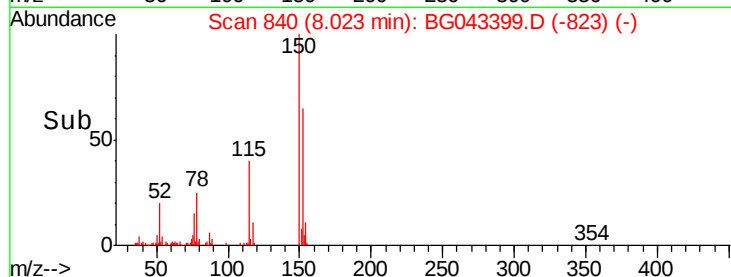
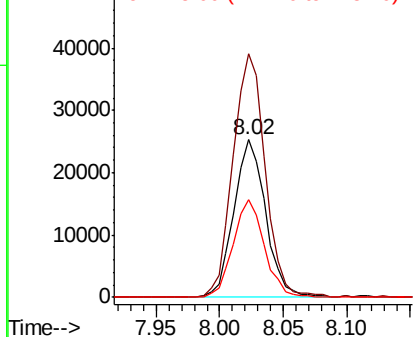
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43976
Ion Ratio Lower Upper
152 100
150 154.3 113.6 170.4
115 62.0 45.9 68.9



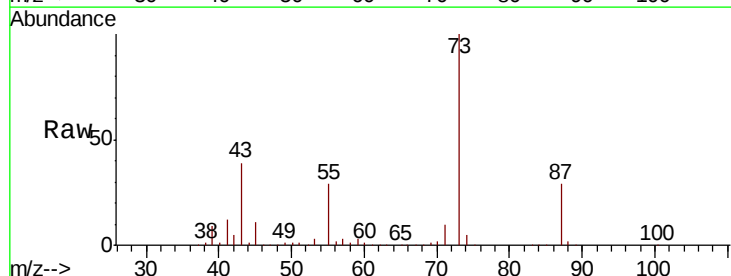
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



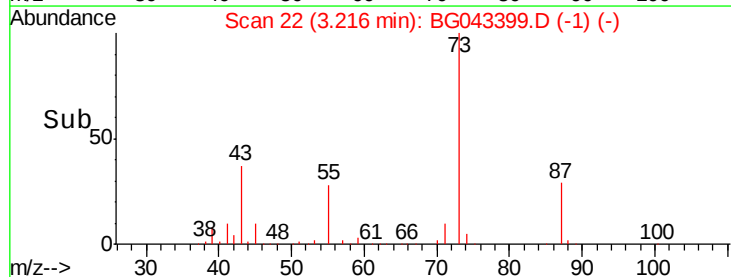
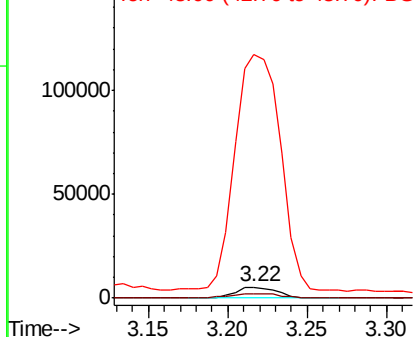
#2

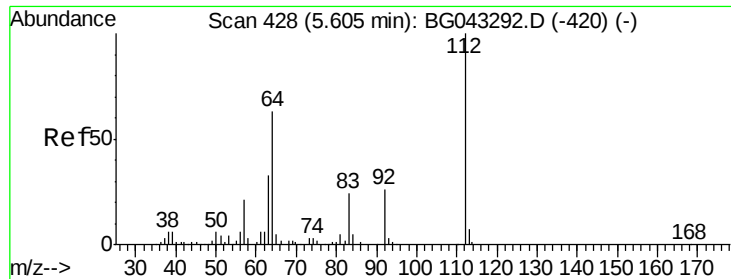
1,4-Dioxane
Concen: 10.676 ng
RT: 3.22 min Scan# 22
Delta R.T. -0.27 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

Tgt Ion: 88 Resp: 9984
Ion Ratio Lower Upper
88 100
58 44.3 60.2 90.2#
43 2261.5 22.7 34.1#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.338 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

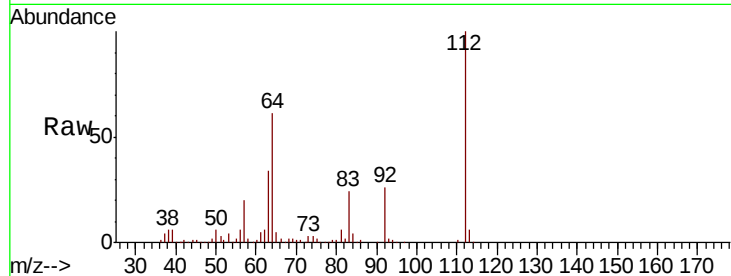
Tot Ion:112 Resp: 310392

Ion Ratio Lower Upper

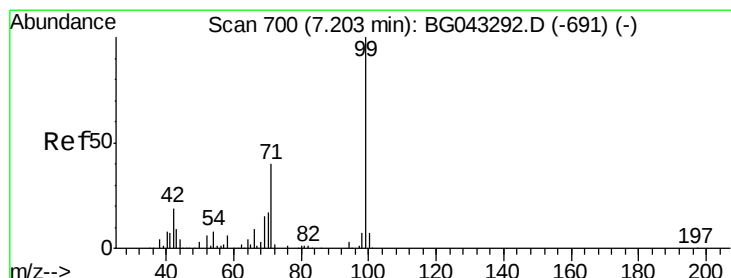
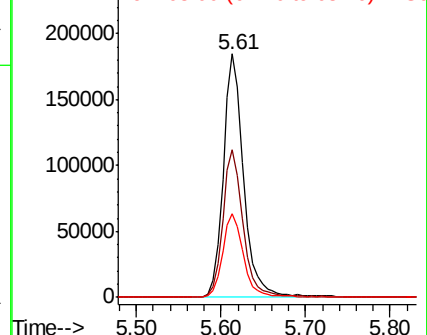
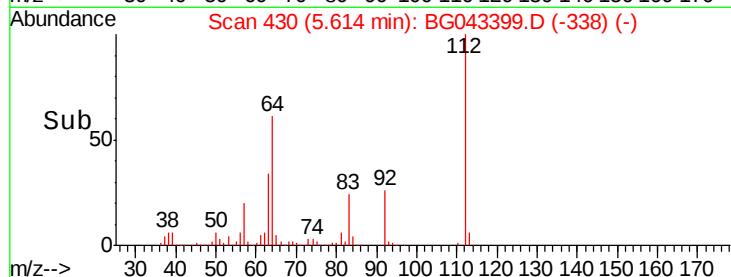
112 100

64 60.8 50.2 75.2

63 34.4 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 124.992 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

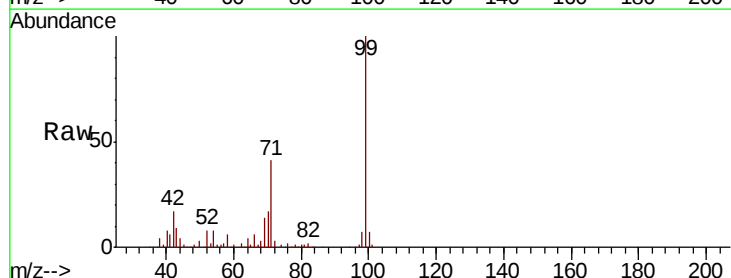
Tgt Ion: 99 Resp: 431576

Ion Ratio Lower Upper

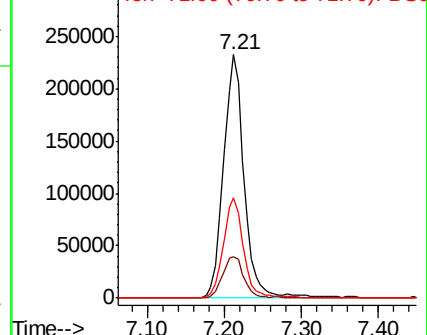
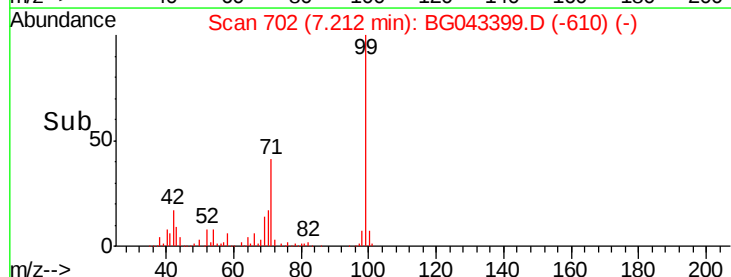
99 100

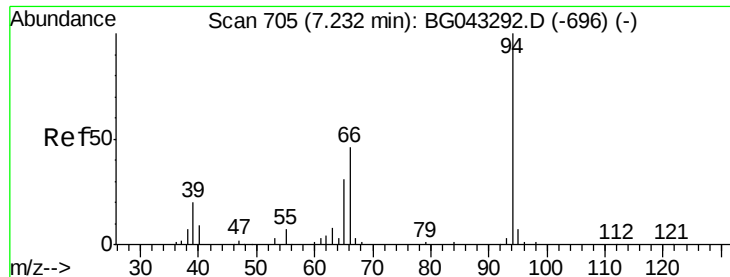
42 17.1 14.9 22.3

71 41.0 32.2 48.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.183 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

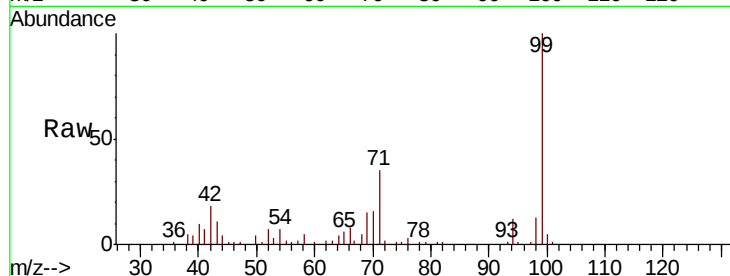
Tot Ion: 94 Resp: 6888

Ion Ratio Lower Upper

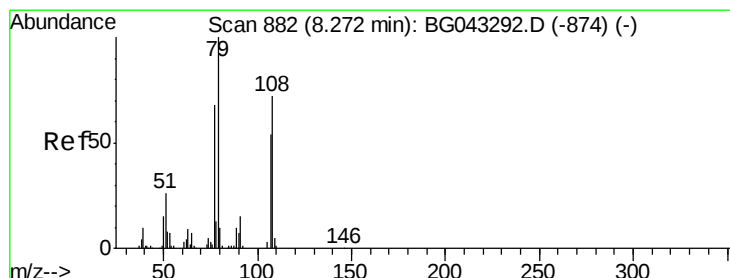
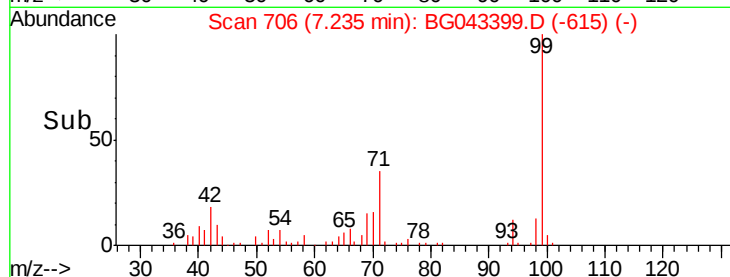
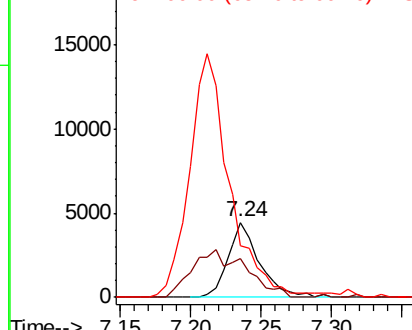
94 100

65 51.1 11.1 51.1#

66 68.8 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.064 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

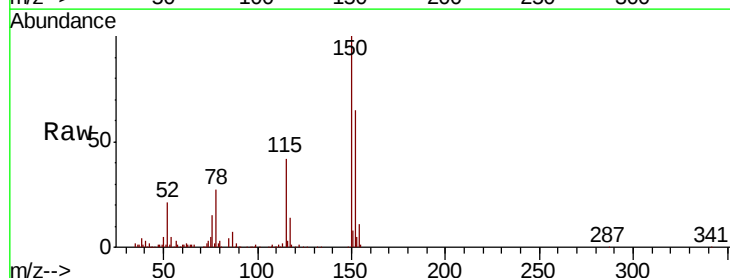
Tgt Ion: 79 Resp: 5005

Ion Ratio Lower Upper

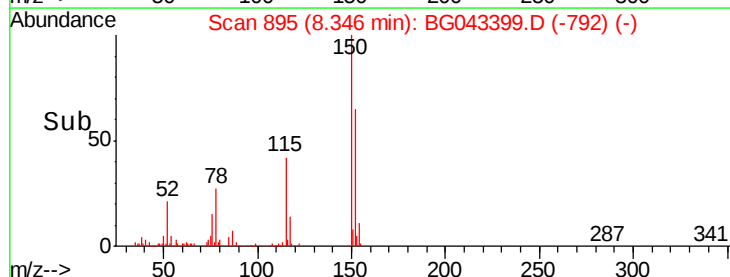
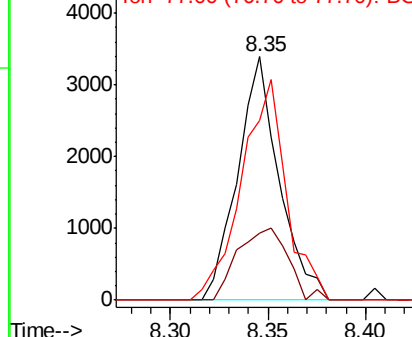
79 100

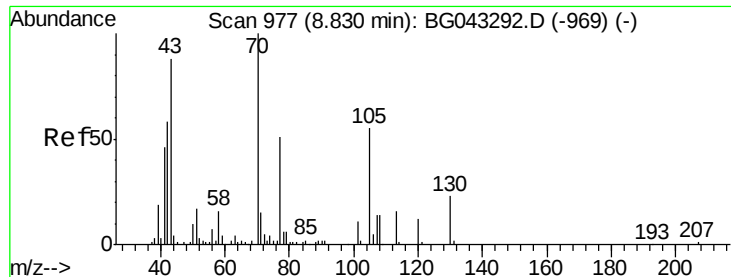
108 27.6 57.3 85.9#

77 73.8 54.6 81.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.151 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 36036

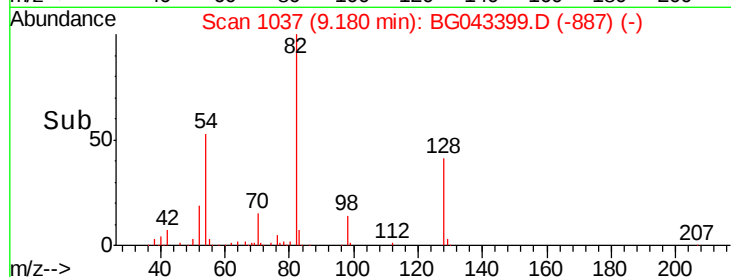
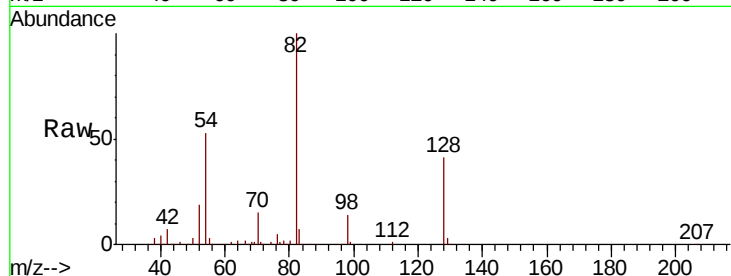
Ion Ratio Lower Upper

70 100

42 45.1 46.2 69.2#

101 0.0 8.6 13.0#

130 1.9 18.6 27.8#

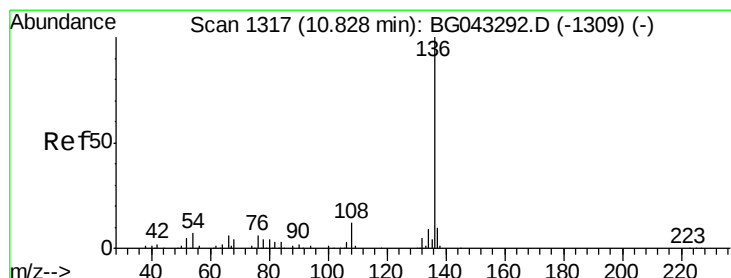
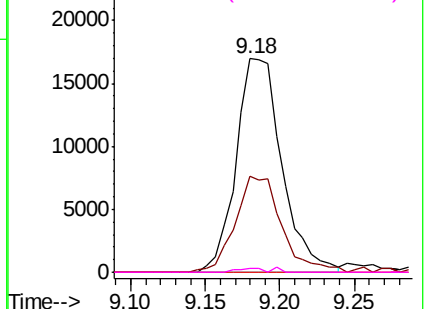


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Tgt Ion: 136 Resp: 158845

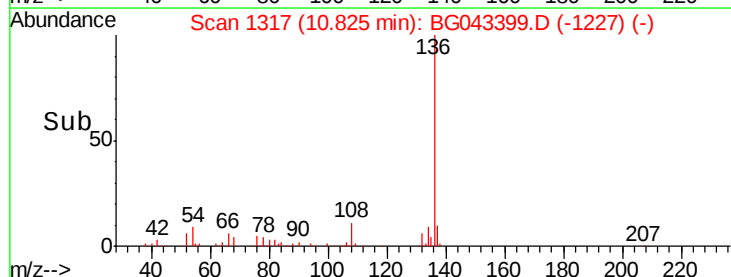
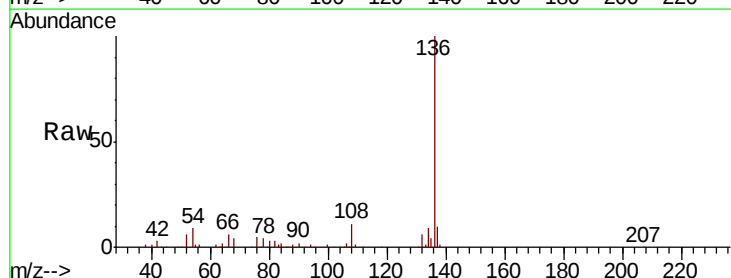
Ion Ratio Lower Upper

136 100

137 9.8 8.2 12.2

54 8.6 5.4 8.2#

68 4.2 3.3 4.9

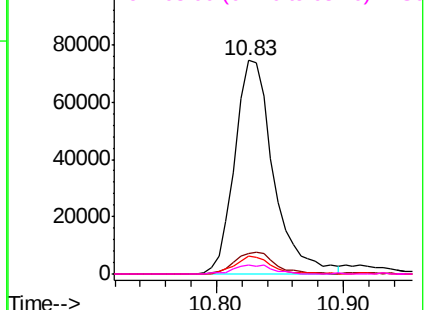


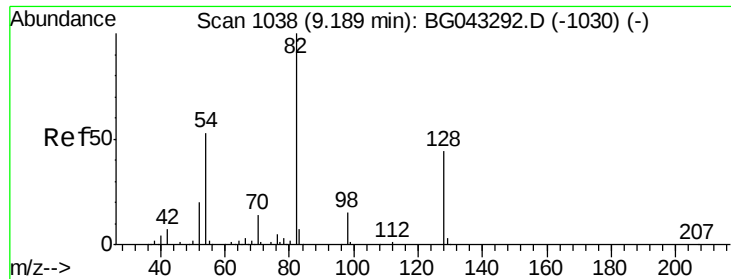
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

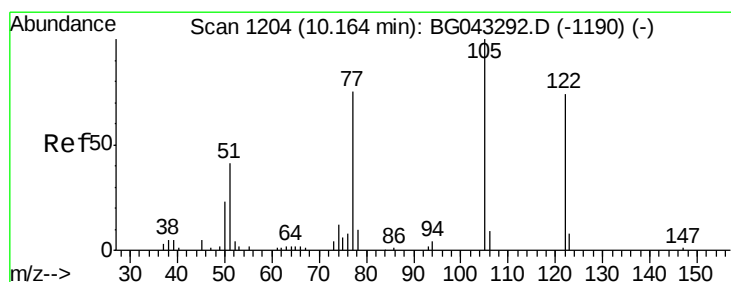
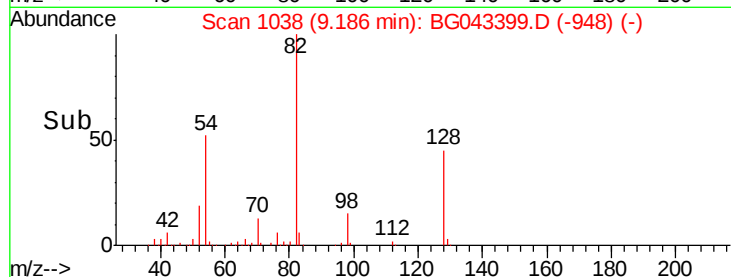
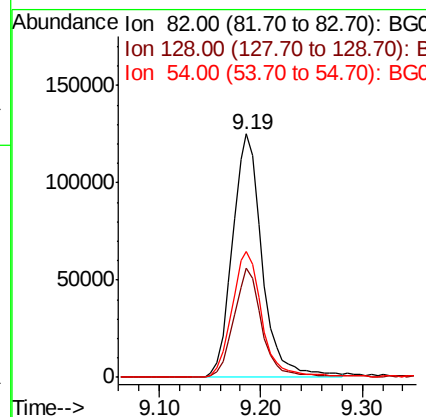
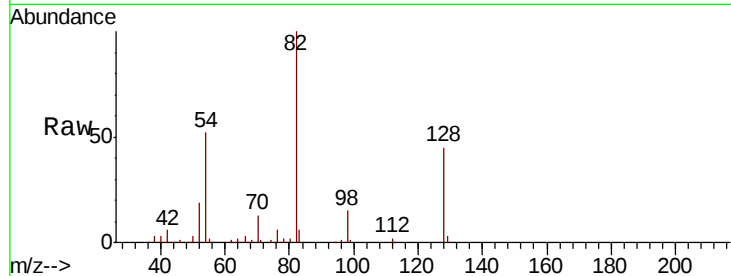




#23
Nitrobenzene-d5
Concen: 82.458 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

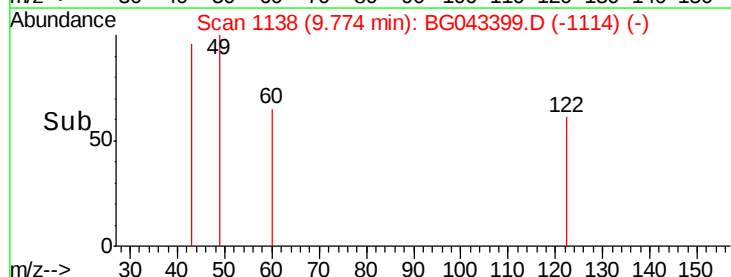
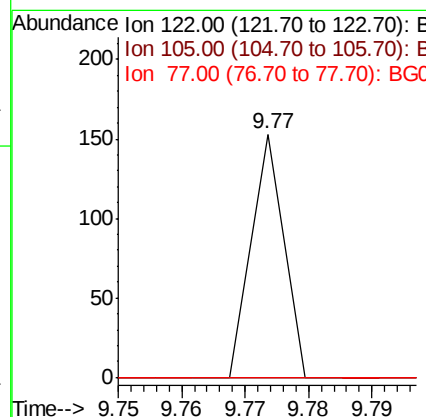
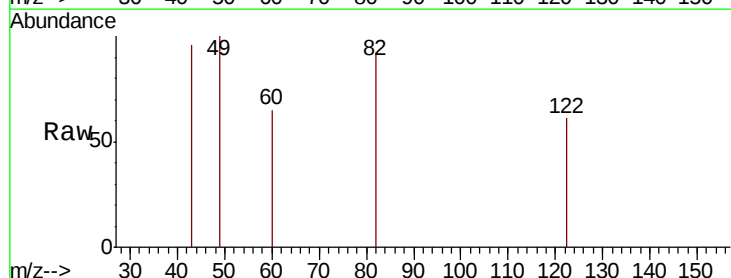
Instrument :
BNA_G
ClientSampleId :

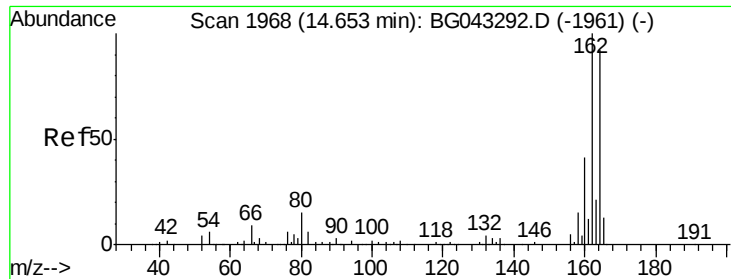
Tot Ion	82	Resp	254063
Ion Ratio	Lower	Upper	
82	100		
128	44.6	35.3	52.9
54	51.9	42.3	63.5



#32
Benzoic acid
Concen: 9.077 ng
RT: 9.77 min Scan# 1138
Delta R.T. -0.39 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

Tgt Ion	122	Resp	54
Ion Ratio	Lower	Upper	
122	100		
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

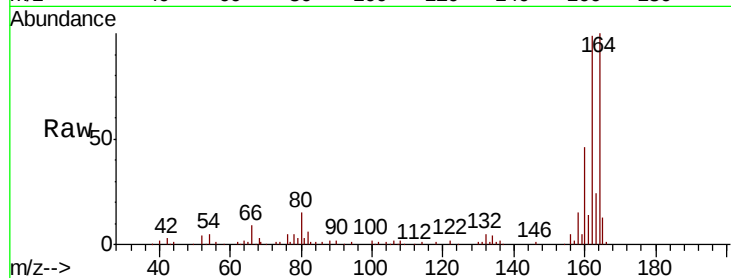
Tot Ion:164 Resp: 117650

Ion Ratio Lower Upper

164 100

162 99.2 87.0 130.4

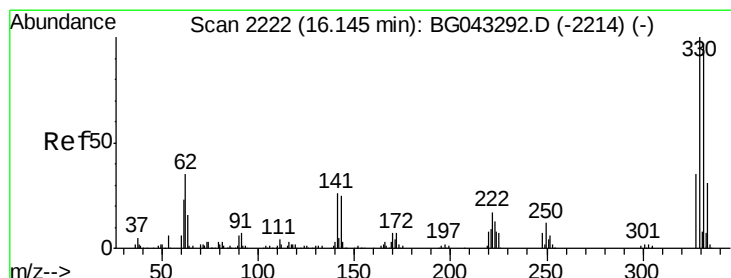
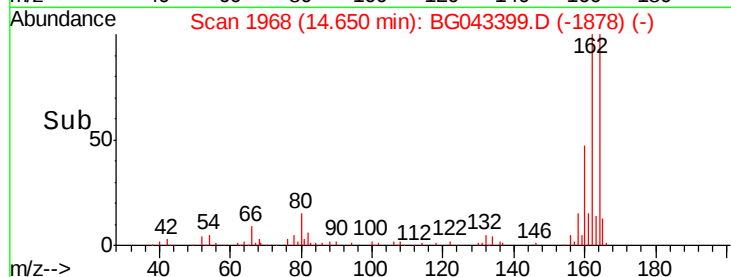
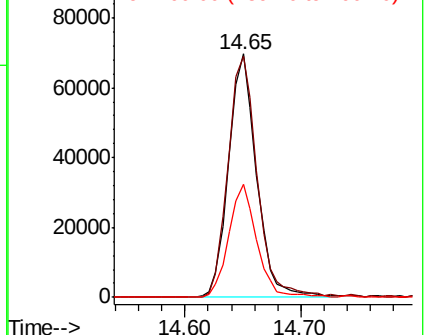
160 46.2 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 110.037 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

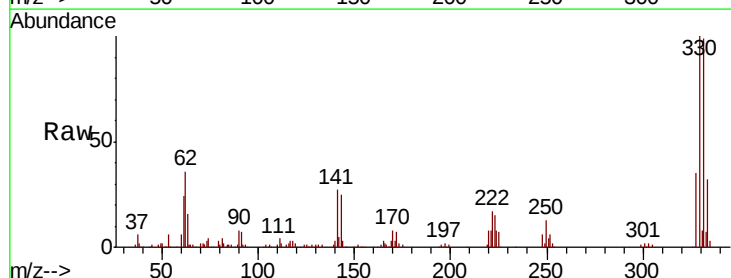
Tgt Ion:330 Resp: 246360

Ion Ratio Lower Upper

330 100

332 98.0 76.4 114.6

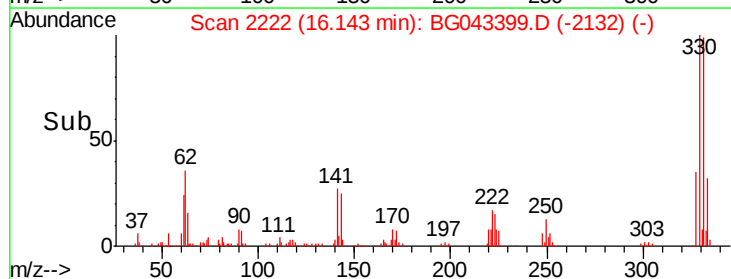
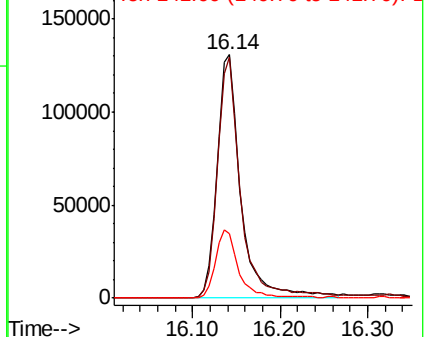
141 27.8 21.4 32.0

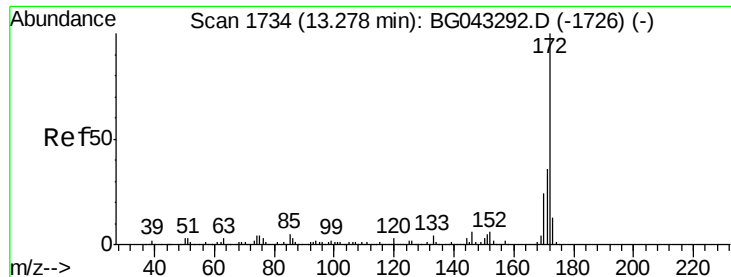


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

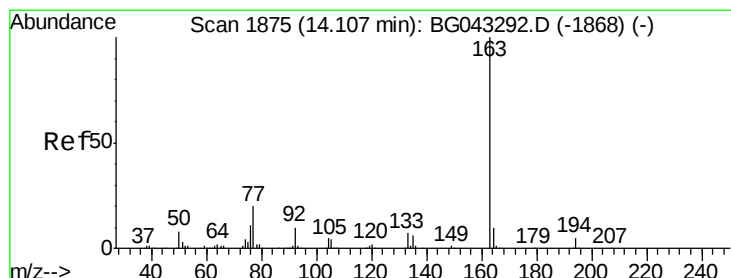
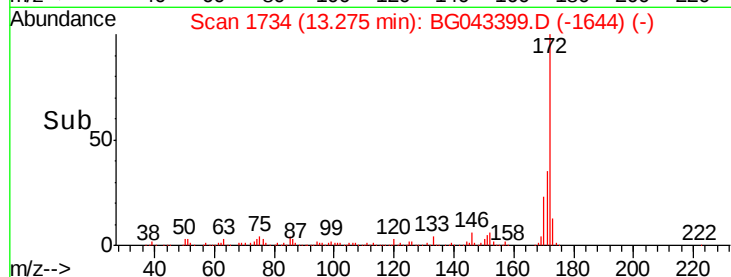
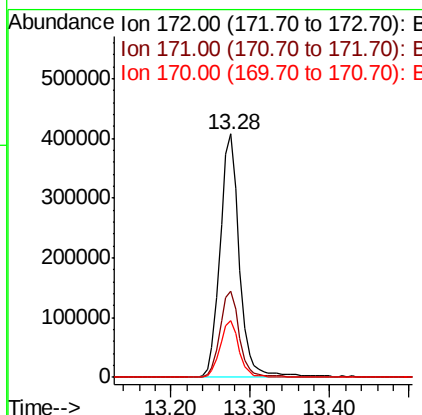
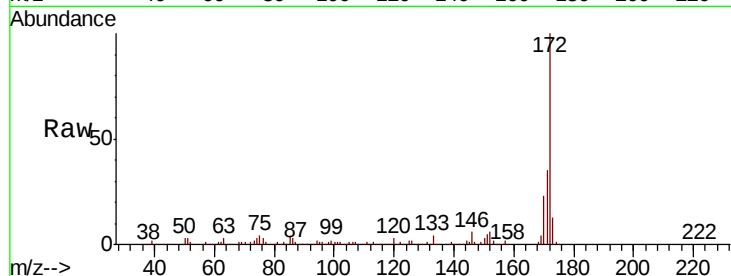




#45
2-Fluorobiphenyl
Concen: 80.829 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

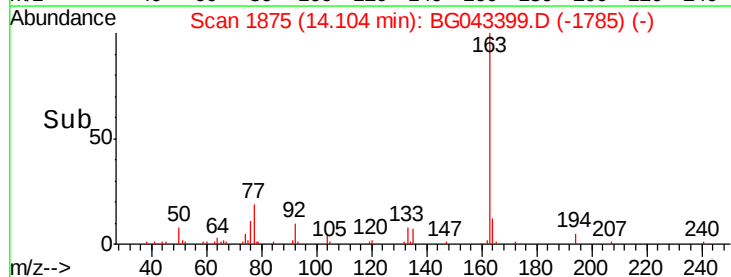
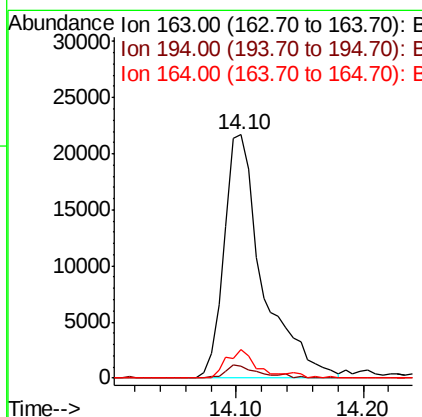
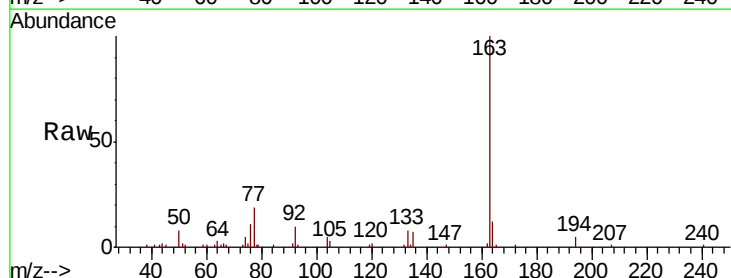
Instrument :
BNA_G
ClientSampleId :

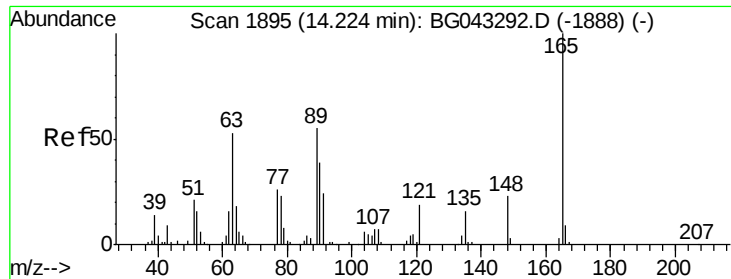
Tot Ion:172 Resp: 688201
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.2 18.8 28.2



#50
Dimethylphthalate
Concen: 5.023 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

Tgt Ion:163 Resp: 45777
Ion Ratio Lower Upper
163 100
194 5.1 3.7 5.5
164 11.6 8.1 12.1

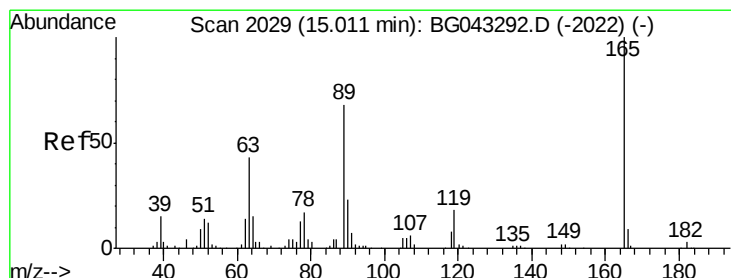
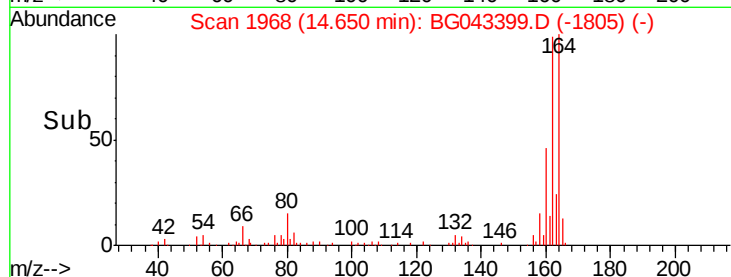
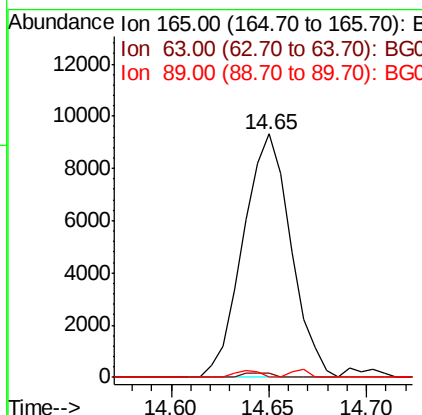
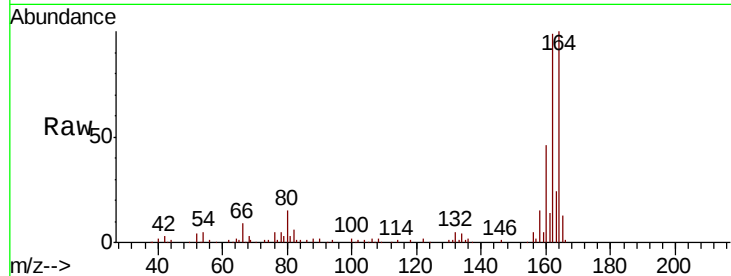




#51
 2,6-Dinitrotoluene
 Concen: 7.987 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043399.D
 Acq: 30 Oct 2019 8:27

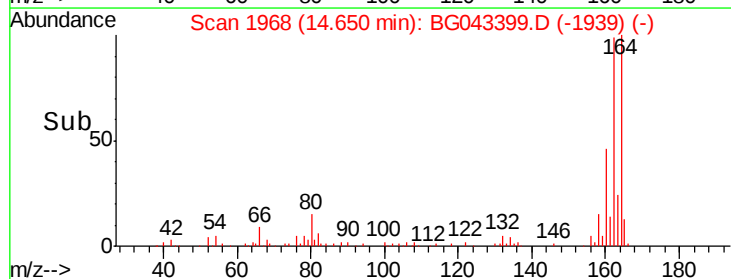
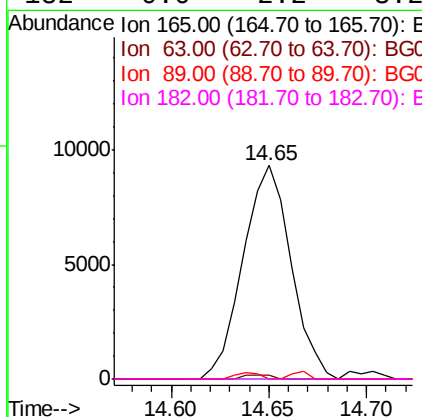
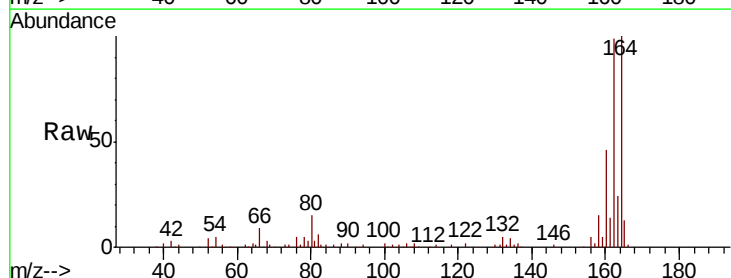
Instrument :
 BNA_G
 ClientSampleId :

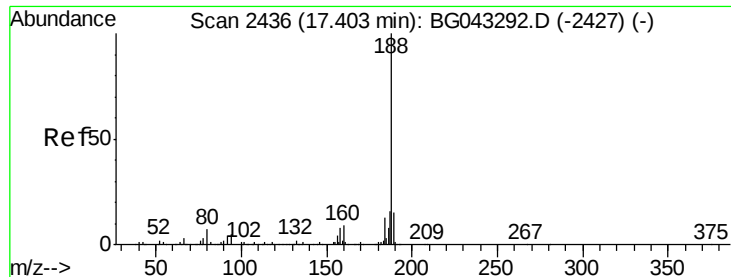
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	47.1	70.7#
89	0.0	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.589 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043399.D
 Acq: 30 Oct 2019 8:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

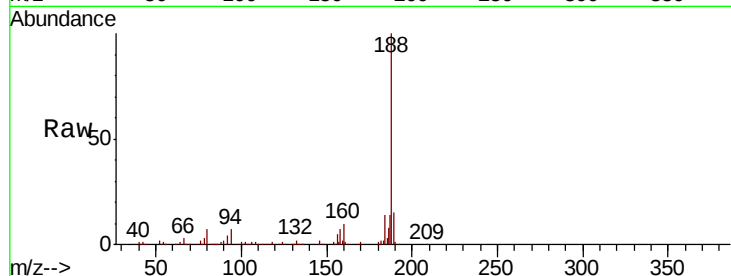
Tot Ion:188 Resp: 265096

Ion Ratio Lower Upper

188 100

94 6.7 4.2 6.2#

80 6.8 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

200000 Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

150000

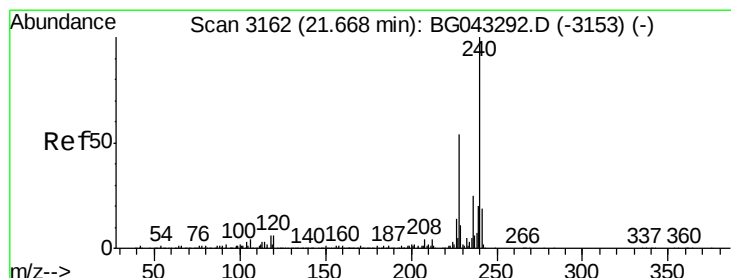
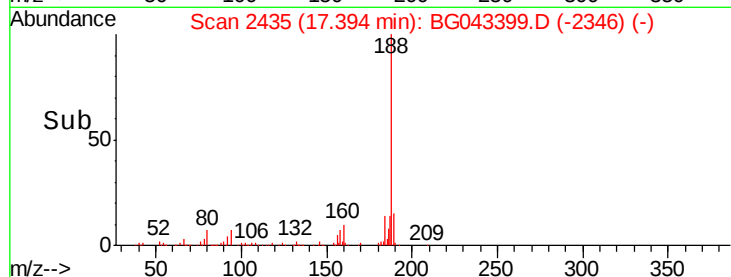
100000

50000

0

17.30 17.40 17.50

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

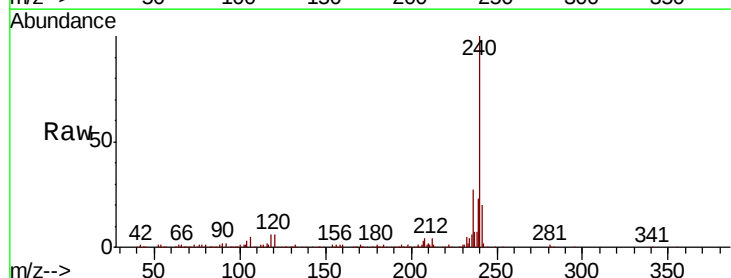
Tgt Ion:240 Resp: 293902

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

236 27.2 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

200000

150000

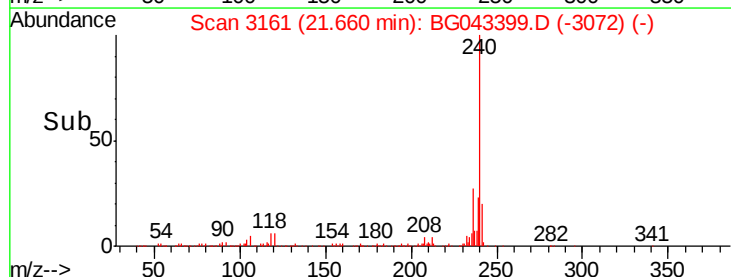
100000

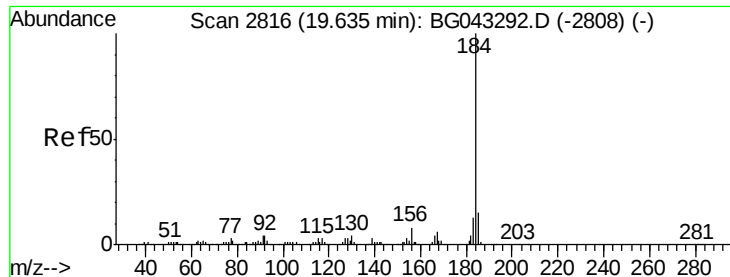
50000

0

21.60 21.70 21.80

Time-->





#77

Benzidine

Concen: 3.358 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

Instrument :

BNA_G

ClientSampleId :

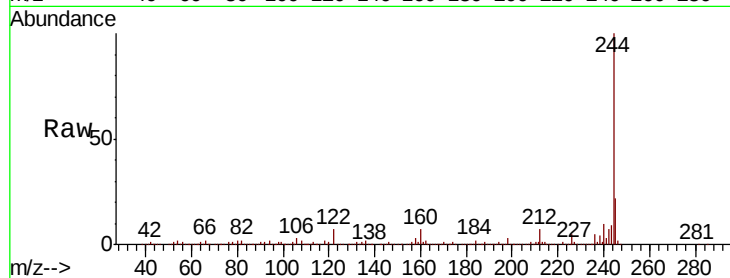
Tot Ion:184 Resp: 19863

Ion Ratio Lower Upper

184 100

185 13.4 11.8 17.6

183 8.9 10.6 16.0#

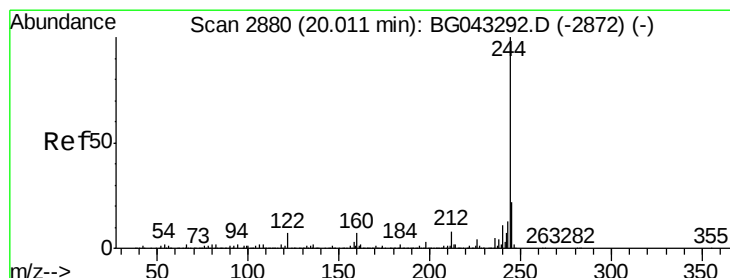
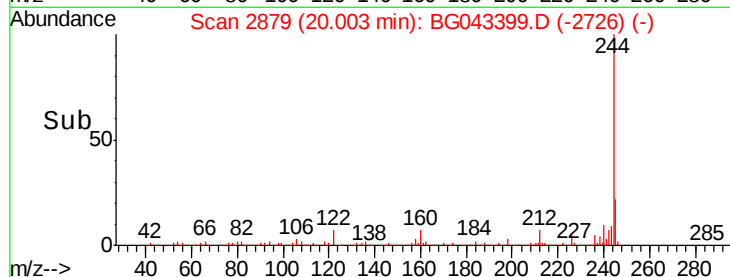
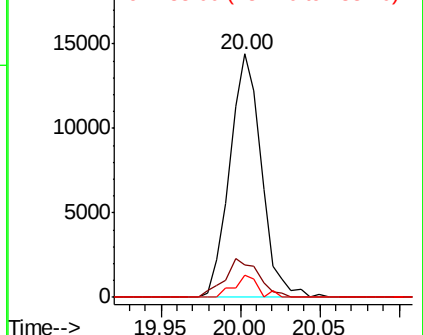


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 87.435 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043399.D

Acq: 30 Oct 2019 8:27

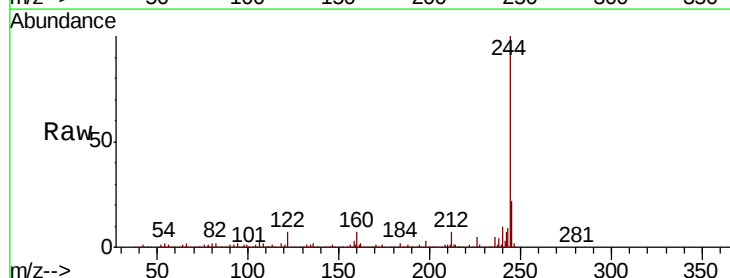
Tgt Ion:244 Resp: 1369758

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

122 7.0 5.3 7.9

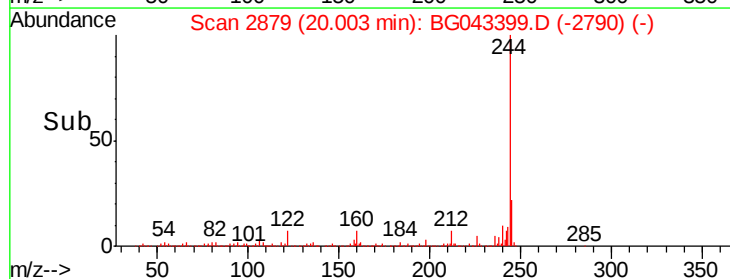
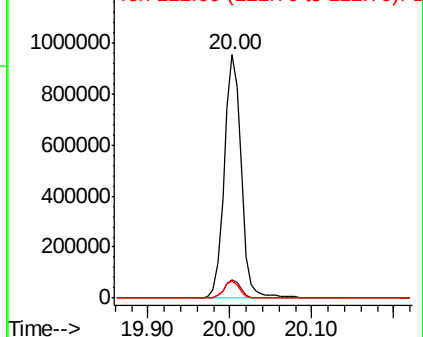


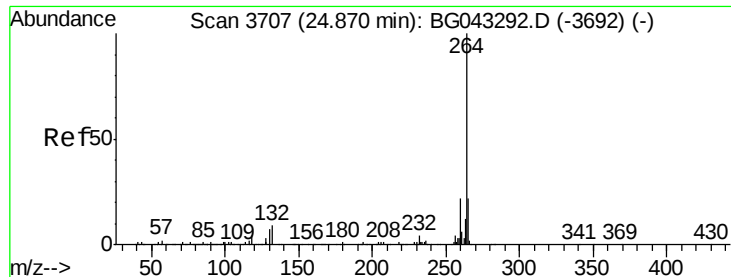
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

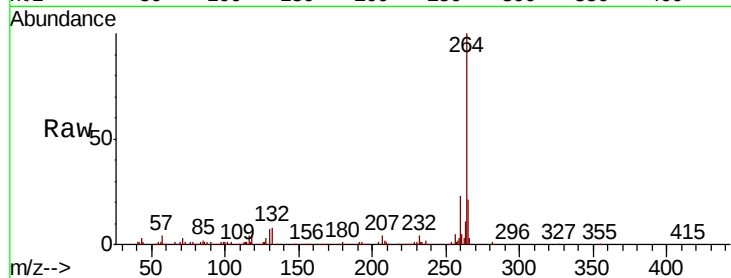




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.02 min
Lab File: BG043399.D
Acq: 30 Oct 2019 8:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.9	26.9
265	21.2	17.4	26.2



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

